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Oregon SCIENTIFIC

Weather@Home Thermo Plus
Bluetooth-enabled Thermo-Hygro Monitor
Model: RAR213HG

USER MANUAL

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CONTENTS

Introduction----3
Overview----3
Front View----3
Rear View----4
Remote Sensor (THGN132N)----4
Getting Started----4
Insert Batteries----4
Remote Sensor----5
Sensor Data Transmission----5
Clock----6
Manually Set Clock----6
Temperature And Humidity----6
Ice Warning----6
Backlight----7
Reset----7
Connect With Your Mobile Device----7
Pairing Your Weather Station----7
Settings----8
View Current Readings----9
View History Readings----9
Optional Sensor For Additional Information----10
Precautions----10
Specifications----11
About Oregon Scientific----11
EU-Declaration Of Conformity----11
FCC & Ic Statement----12
Declaration Of Conformity----12

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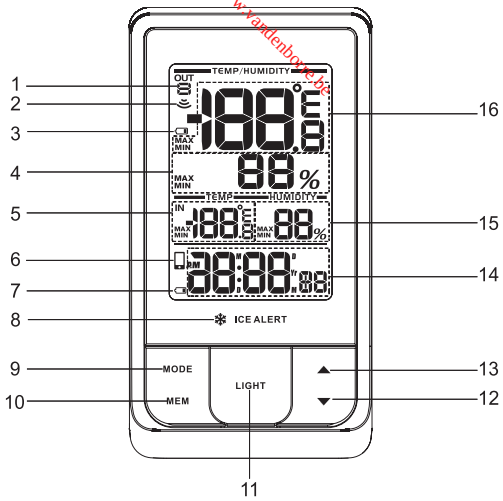
INTRODUCTION

Thank you for selecting our Oregon Scientific™ Weather@Home Thermo Plus Bluetooth-enabled Thermo-Hygro Monitor, which has changeable display on indoor and outdoor temperatures and humidity.

NOTE Please keep this manual handy as you use your new product. It contains practical step-by-step instructions, as well as technical specifications and warnings you should know about.

OVERVIEW

FRONT VIEW



1. Outdoor channel selected
2. : remote sensor reception indicator
3. : outdoor remote sensor battery low
4. Outdoor humidity reading (current / **MAX** / **MIN**)
5. Indoor temperature reading (current / **MAX** / **MIN**)
6. : BLE connection indicator
7. : main unit battery low
8. Ice alert LED indicator
9. **MODE**: change settings / display; search remote sensor
10. **MEM:** view current, maximum and minimum temperature / humidity
11. **LIGHT**: activate backlight for 5 seconds
12. ▼: decrease value of the settings; select outdoor channels; deactivate pairing mode
13. ▲: increase value of the settings; select outdoor channels; activate pairing mode
14. **AM**/**PM** : morning/afternoon

    MD/**DM**/**Yr**: calendar / clock with weekday (hour : minute with second display)

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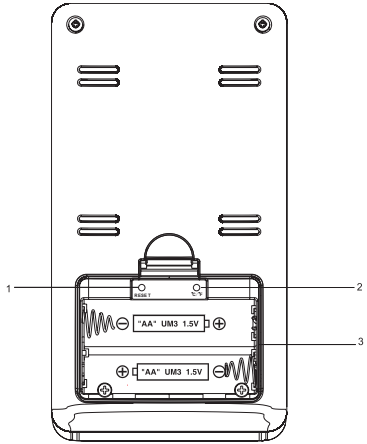
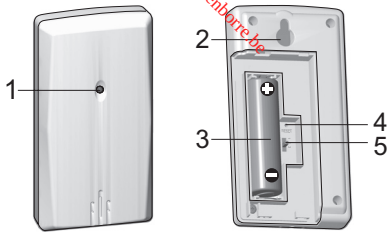
15. Indoor humidity reading (current / **MAX** / **MIN**)
16. Outdoor temperature reading (current / **MAX** / **MIN**)

REAR VIEW



1. **RESET**: reset the unit to default settings
2. **°C / °F**: select temperature unit
3. Battery compartment

REMOTE SENSOR (THGN132N)



1. LED status indicator
2. Wall mount hole
3. Battery compartment
4. **RESET** hole
5. **CHANNEL** switch

USEFUL REFERENCE Visit our website www.oregonscientific.com to learn more about the compatible sensors.

INSERT BATTERIES

1. Remove the battery compartment.
2. Insert the batteries, matching the polarities (**+/-**).
3. Press **RESET** after each battery change.

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LOCATION	MEANING
Clock area	Main unit batteries low
Outdoor temperature area	Sensor batteries low

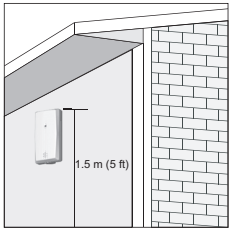
REMOTE SENSOR

The main unit can collect data from up to 5 sensors.

To set up the sensor:

1. Open the battery compartment.
2. Select a channel then press **RESET**.
3. Close the battery door.
4. Place the sensor within 98 ft (30 m) of the main unit using the table stand or wall mount.

TIP Ideal placements for the sensor would be in any location on the exterior of the home at a height of not more than 5 ft (1.5 m) and which can shield it from direct sunlight or wet conditions for an accurate reading.



NOTE Use alkaline batteries for longer usage and consumer grade lithium batteries in temperatures below freezing.

SENSOR DATA TRANSMISSION

To search for a sensor:

- Press and hold ▲ and **MODE** at the same time for 2 seconds.

To auto-scan among sensors:

The main unit can search for the sensor(s) automatically. The temperatures will be displayed automatically in sequential order.

The sensor reception icon in the remote sensor area shows the status:

ICON	DESCRIPTION
OUT OUT	Main unit is searching for sensor(s).
OUT OUT OUT OUT	A channel has been found.
OUT	The sensor cannot be found.

TIP The transmission range may vary depending on many factors. You may need to place the sensor(s) in different locations to get the best result(s).

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CLOCK

MANUALLY SET CLOCK

1. Press and hold **MODE** for 2 seconds to enter the setting mode.
2. The settings order is: 12/24 hour format, hour, minute, year, calendar format (day-month / month-day), month, day and language.
3. Press ▲ or ▼ to change the settings.
4. Press **MODE** to confirm.

The language options are English (**E**), German (**D**), French (**F**), Italian (**I**), and Spanish (**S**).

To select display mode:
Toggle **MODE** to choose among clock with seconds / clock with weekday / calendar.

TEMPERATURE AND HUMIDITY

To select temperature unit:

1. Open the battery compartment.
2. Select **°C** or **°F** for temperature readings by a pin or the top of a pen.
3. Close the battery door.

To select an outdoor sensor's reading:

- Toggle ▲ or ▼ to select your desired sensor channel.

To auto-scan among sensors:

1. Press and hold ▼ and **MEM** at a time for 2 seconds to enable auto-scan function for all 5 channels. The temperature will be displayed automatically in sequential order for 3 seconds each.
2. To end, press ▲ or ▼ .

To display current, minimum and maximum records of the day from a selected sensor:

- Toggle **MEM**.

To clear the records:

- Press and hold **MEM** for 2 seconds.

NOTE The record will also be cleared once the batteries are removed from the main unit.

ICE WARNING

If the channel 1 sensor falls from 37°F to 28°F (3°C to -2°C), LED indicator ❄ ICE ALERT will flash, and will stop flashing once the temperature is out of this range.

- To disable the ice alert warning, press ▲ and ▼ at the same time.
- The ice warning detection will restart once the temperature falls out of 37°F to 28°F (3°C to -2°C), and will then trigger the flash again when the temperature falls into this range.

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NOTE As ice alert is only applicable to channel 1, to prevent flashing of LED, select other channels on outdoor sensor.

BACKLIGHT

Press **LIGHT** to activate backlight for 5 seconds.

RESET

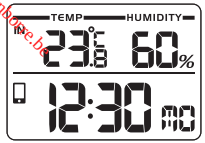
- Open the battery compartment.
- Press **RESET** to return to the default settings by a pin or the top of a pen.
- Close the battery door.

CONNECT WITH YOUR MOBILE DEVICE

You can remotely set the weather station and read the weather information through Bluetooth®v4.0 using your mobile device with the downloaded application from the Apple Store. To quickly find the application, type 'Weather@Home' as keyword in the search engine. Ensure your mobile device is compatible with iOS 5 or Android 4.3 with Bluetooth®v4.0

PAIRING YOUR WEATHER STATION

First of all, you need to pair your weather station with your mobile device. will flash on the screen of the weather station while pairing and be on after successful pairing.



- Press and hold ▲ for 2 seconds to enable a pair-up for the main unit for 30 seconds.
- Press and hold ▼ for 2 seconds to disable a pair-up mode.

1. Tap to enter **SETTINGS** screen.
2. Tap on **STATION** area.
3. Tap **Pair Up. Searching…** displays. If you want to cancel the pairing, tap **Cancel**.
4. Once the pairing is successful, it will return to **STATION** screen.

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5. Tap on each channel to rename it. (Up to 20 characters including space are allowed). Tap Done if completed. Tap ❮ to exit.

To remove sensor:
To remove any sensor from the weather station, Tap **Remove station** on **STATION** screen, all the sensors will be removed at the same time.

To reposition the sensors on screen:

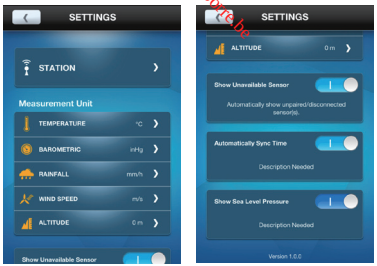
1. On **STATION** screen, tap ☰.
2. Press and hold ☰ at the right side of a sensor. Drag it to your desired position.
3. Tap ☰ to confirm.

SETTINGS

You can set your weather station through the application, such as measurement units.

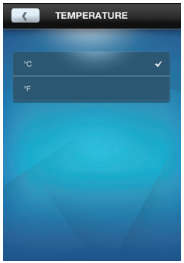
The settings are as follows:

- Temperature
- Barometric (with optional BTH sensor)
- Rainfall (not available in RAR213HG)
- Wind speed (not available in RAR213HG)
- Altitude (not available in RAR213HG)
- Show unavailable sensor
- Automatically sync time
- Show sea level pressure (not available in RAR213HG)



To select the measurement unit:

1. Tap ❯ to view the measurement unit options.
2. Tap on your desired unit.
3. Tap ❮ to go back to the previous screen.



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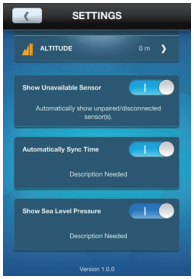
VIEW CURRENT READINGS

You can directly view all the weather readings from different sensors through the application at a time. The readings are in **HOME** screen.

NOTE If low battery icon displays on the screen, please replace the batteries for the corresponding device.



To show unavailable sensor:
If the sensor is out of range, the readings are interrupted and **--** (dash mode) displays on the screen. If you do not want to show the unavailable sensor:

- On **SETTINGS** screen, touch and slide the button to right to turn on the function, or sliding to left to turn it off.

To automatically synchronize time:
Time and date on your weather station could be automatically synchronized by your mobile device.

- On **SETTINGS** screen, touch and slide the button to right to turn on the function, or sliding to left to turn it off.

VIEW HISTORY READINGS

You can view history through the application. The history could also be presented in graphs (past 24 hours or past 7 days).

To view the history:

1. Tap on your desired sensor area on the screen.
2. Tap to select your desired data or tap to sort the data by date.

SELECT DATE
MON 4 DEC 10.5 °C 34 °C
SUN 3 DEC 10.5 °C 34 °C
SAT 2 DEC 10.5 °C 34 °C
FRI 1 DEC 10.5 °C 34 °C
THU 30 NOV 10.5 °C 34 °C
WED 29 NOV 10.5 °C 34 °C
TUE 28 DEC 10.5 °C 34 °C
SHOW ALL DATE

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OPTIONAL SENSOR FOR ADDITIONAL INFORMATION

By applying the optional sensor (Model: BTH Sensor) at a time, you can also view the following information using your mobile device.

- Weather Forecast
- Air Pressure

USEFUL REFERENCE The optional sensor (Model: BTH Sensor) can be purchased from Oregon Scientific.

PRECAUTIONS

- Do not subject the unit to excessive force, shock, dust, temperature or humidity.
- Do not cover the ventilation holes with any items such as newspapers, curtains etc.
- Do not immerse the unit in water. If you spill liquid over it, dry it immediately with a soft, lint-free cloth.
- Do not clean the unit with abrasive or corrosive materials.
- Do not tamper with the unit's internal components. This invalidates the warranty.
- Only use fresh batteries. Do not mix new and old batteries.
- Images shown in this manual may differ from the actual display.
- When disposing of this product, ensure it is collected separately for special treatment and not as household waste.
- Placement of this product on certain types of wood may result in damage to its finish for which Oregon Scientific will not be responsible. Consult the furniture manufacturer's care instructions for information.
- The contents of this manual may not be reproduced without the permission of the manufacturer.
- Do not dispose old batteries as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.
- Please note that some units are equipped with a battery safety strip. Remove the strip from the battery compartment before first use.

NOTE The technical specifications for this product and the contents of the user manual are subject to change without notice.

NOTE Features and accessories will not be available in all countries. For more information, please contact your local retailer.

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SPECIFICATIONS

TYPE	DESCRIPTION
MAIN UNIT	
L x W x H	135.6 x 73 x 51.2 mm 5.34 x 2.87 x 2.02 in
Weight	183g (6.46 ounces) include battery
Temperature range	-5°C to 50°C (23°F to 122°F)
Humidity range	25% - 95%
Power	2 x UM-3 (AA) 1.5V batteries
Temperature range for ice alert	3°C to -2°C
REMOTE UNIT (THGN132N)	
L x W x H	50 x 22 x 96 mm (1.97 x 0.87 x 3.78 in)
Weight	62g (2.22 ounces) without battery
Transmission range	98 ft (30 m) unobstructed
Signal frequency	433 MHZ
Temperature range	-20°C to 60°C (-4°F to 140°F)
Humidity range	25% - 95%
Power	1 x UM-3 (AA) 1.5 V battery

ABOUT OREGON SCIENTIFIC

Visit our website www.oregonscientific.com to learn more about Oregon Scientific products.

For any enquiry, please contact our Customer Services at info@oregonscientific.com.

Oregon Scientific Global Distribution Limited reserves the right to interpret and construe any contents, terms and provisions in this user manual and to amend it, at its sole discretion at any time without prior notice. To the extent that there is any inconsistency between the English version and any other language versions, the English version shall prevail.

EU-DECLARATION OF CONFORMITY

Hereby, Oregon Scientific, declares that Weather@ Home Thermo Plus Bluetooth-enabled Thermo-Hygro Monitor (Model: RAR213HG) is in compliance with the essential requirements and other relevant provisions of Directive 1999/05/EC. A copy of the signed and dated Declaration of Conformity is available on request via our Oregon Scientific Customer Service.

COUNTRIES RTTE APPROVED COMPLIED
All EU countries, Switzerland (CH) and Norway (N)

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FCC & IC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

WARNING Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio / TV technician for help.

DECLARATION OF CONFORMITY

The following information is not to be used as contact for support or sales. Please call our customer service number (listed on our website at www.oregonscientific.com), or on the warranty card for this product) for all inquiries instead.

We

Name:	Oregon Scientific, Inc.
Address:	10778 SW Manhasset Drive, Tualatin, OR 97062 USA
Telephone No.:	1-800-853-8883

Declare that the product

Product No.:	Model: RAR213HG
Product Name:	Weather@Home Thermo Plus Bluetooth-enabled Thermo-Hygro Monitor
Manufacturer:	IDT Technology Limited
Address:	Block C, 9/F, Kaiser Estate, Phase 1,41 Man Yue St., Hung Hom, Kowloon, Hong Kong.

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